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FORM PTO-1449 (Modified)

Attorney Docket No.: 20174-000230US

Application No.: 09/605,502

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT (Use several sheets if necessary)

Applicant: MARC A. UNGER et al.

Filing Date: June 27, 2000

Group: Unassigned

1763

Reference Designation

U.S. PATENT DOCUMENTS

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| Examiner Initial | Document No. | Date       | Name         | Class | Sub-class | Filing Date<br>(If Appropriate) |
|------------------|--------------|------------|--------------|-------|-----------|---------------------------------|
| <i>AW</i>        | 4,153,855    | 05/08/1979 | Feingold     | 313   | 105       |                                 |
| <i>AW</i>        | 5,265,327    | 11/30/1993 | Faris et al. | 29    | 825       |                                 |
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FOREIGN PATENT DOCUMENTS

|           | Document No.  | Date       | Country | Class | Sub-class | Translation<br>(Yes/No) |
|-----------|---------------|------------|---------|-------|-----------|-------------------------|
| <i>AW</i> | 3 WO98/07069  | 19/02/1998 | PCT     | G03F  | 7/00      |                         |
| <i>AW</i> | 4 WO 99/17093 | 08/04/1999 | PCT     | G01N  | 1/10      |                         |
|           |               |            |         |       |           |                         |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|           |    |   |
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| <i>AW</i> | 5  | Van der Pol, F.C.M. and Branebjerg, J., "Micro Liquid Handling Devices - A Review", Micro Systems Technologies, 90 (1990), pp. 799-805.   |
| <i>AW</i> | 6  | Shuichi Shoji, "Fluids for Sensor Systems", Topics in Current Chemistry, Vol. 194, Springer Verlag Berlin Heidelberg 1998, pp. 162-188.   |
|           | 7  | Xing Yang et al., "A Mem. Thermopneumatic Silicone Membrane Valve", Proceedings of IEEE 10 <sup>th</sup> Annual International Workshop on MicroElectro Mechanical Systems, in Sensors and Actuators, vol. A64, no., Elsevier (Jan. 1998), p. 101-8. |
|           | 8  | Jan G. Smits, "Piezoelectric Micropump with Three Valves Working Resistively", Sensors and Actuators, A21-A23 (1990), Elsevier Sequoia/Printed in the Netherlands, pp. 203-206.   |
|           | 9  | Daniel T. Chiu et al., "Patterned deposition of cells and proteins onto surfaces by using three-dimensional microfluidic systems", PNAS, March 14, 2000, vol. 97, no. 6, pp. 2408-2413.   |
|           | 10 | Lawrence Kuhn et al., "Silicon Charge Electrode Array for Ink Jet Printing", IEEE Transactions on Electron Devices, Vol. ED-25, No. 10, October 1978, pp. 1257-1260.  |
|           | 11 | Martin U. Kopp et al., "Chemical Amplification: Continuous Flow PCR on a Chip", Science, Vol. 280, 15 May 1998, www.sciencemag.org., pp. 1046-1048.   |
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|           | 13 | David C. Duffy et al., "Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane)", Analytical Chemistry, Vol. 70, No. 23, December 1, 1998, pp. 4974-4984.   |
|           | 14 | Lynn Michelle Royle et al., "A Batch-Fabricated Silicon Accelerometer", IEEE Transactions on Electron Devices, Vol. ED-26, No. 12, December 1979, pp. 1911-1917.  |
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EXAMINER

DATE CONSIDERED

3/22/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.